

SECTION I - IDENTITY

#176 HURRICANE ALL PURPOSE CLEANER  
Hazardous - NO

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

PERMA Incorporated  
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Bedford, MA. 01730

Telephone Number for Information  
(978)667-5161

Date Prepared  
06/23/99

Prepared By T. PITROLFFY

Emergency Phone Number  
4 = Most Hazardous  
1-800-255-3924 or Poison Center

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Components CAS Reg#	PEL ppm	TWA ppm	STEL ppm	Other Limits %
NOT A HAZARDOUS MATERIAL, AS PER 29 CFR 1910, 1200 AND M.G.L. c. 111F.				(opt)

\*LISTED CHEMICAL SUBJECT TO REPORTING REQUIREMENT OF SCT.313 OF TITLE III.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point	- 213F	Specific Gravity(Water=1)	- 1.0
Vapor Pressure (mm Hg)	- 11.0	Melting Point	- N.A.
Vapor Density (air=1)	- 1.2	Evaporation Rate(Butyl Acetate=1)	- 0.40
Viscosity (CPS)	- 10.5	Decomposition Temperature	- NA.
Auto Ignition Temp.	- NA.	Solubility in Water	- COMPLETE
pH	- 10 +/- .5		
Appearance and Odor	- THIN, YELLOW-GREEN LIQUID DETERGENT ODOR		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point - ABOVE 200 F TCC

Extinguishing media - WATER SPRAY

Fire Fighting Procedure - COOL CONTAINERS WITH WATER

Fire and Explosion Hazards - CLOSED CONTAINERS MAY BURST WHEN EXPOSED TO EXTREME HEAT. ISOLATE FROM HEAT, SPARKS AND OPEN FLAME.

Flammable Limits  
LEL - N.A. UEL - N.A.

SECTION V - REACTIVITY DATA

Stability - STABLE  
Conditions to Avoid - N.A.

Incompatibility - ACIDS, STRONG OXIDIZERS  
Hazardous Decomposition or Byproduct - THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE

Hazardous Polymerization - WILL NOT OCCUR  
Conditions to Avoid - N.A.

The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from use thereof.  
Essentially similar to OSHA form # 174

SECTION VI - HEALTH HAZARD DATA

Routes of entry:  
Inhalation - YES Skin - YES Ingestion - YES  
Health Hazards-Acute: CAUSES CHEMICAL BURNS TO EYES, SKIN AND MUCOUS MEMBRANES. CHRONIC: REDNESS OF SKIN, DERMATITIS, HEMOGLOBINURIA  
TARGET ORGANS: LIVER, KIDNEYS, SKIN, EYES  
Carcinogenicity: NO  
NTP - N.A. IARC Monographs - N.A. OSHA Regulated - NO  
Signs and Symptoms of Exposure - ITCHING, BURNING SENSATION, REDNESS OF SKIN, BURNING OF EYES

Medical Conditions Aggravated - SENSITIZED SKIN, RENAL DEFICIENCY

Emergency and First Aid Procedures - WASH CONTACT AREAS WITH PLENTY OF WATER: 15 MINUTES. INGESTION: GIVE MILK, WATER OR CITRUS JUICE, INDUCE VOMITING WITH OIL OF IPECAC. MOVE SUBJECT TO FRESH AIR. CALL PHYSICIAN IMMEDIATELY

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled - DIKE AND COLLECT MATERIAL INTO PLASTIC CONTAINER. WATER RINSE AND DRAIN, FLUSH SMALL AMOUNTS. (BIODEGRADABLE)

Waste Disposal Method - USE SANITARY LANDFILL DISPOSAL. (NOT A HAZARDOUS WASTE) FOLLOW STATE AND LOCAL REGULATIONS (RCRA; SUBTITLE D)

Precautions to be Taken in Handling and Storage -  
DO NOT MIX WITH OTHER CHEMICALS.  
AVOID PROLONGED CONTACT. KEEP FROM FREEZING AND EXCESSIVE HEAT.

Other Precautions - STORE IN SECURE AREA. AVOID FOOD OR FEED CONTAMINATION.  
AVOID PROLONGED INHALATION OF VAPORS. KEEP OUT OF REACH OF CHILDREN !

SECTION VIII - CONTROL MEASURES

Respiratory Protection - NOT REQUIRED WITH NORMAL USE  
IN WELL VENTILATED AREA

Ventilation  
Local Exhaust - RECOMMENDED  
Mechanical - REQUIRED: EXCHANGE EVERY 10-15 MINUTES  
Special - N.A.  
Other - ASSURE FRESH AIR CIRCULATION.

Protective Gloves - REQUIRED: RUBBER, PLASTIC

Eye Protection - REQUIRED: SAFETY GLASSES, GOGGLES

Other Protection - RECOMMENDED: RUBBER OR PLASTIC APRON, SHOWER, EYE WASH FACILITY

Work/Hygienic Practices - DO NOT EAT, DRINK NEXT TO MATERIAL.  
WASH HANDS/FACE AFTER WORK.

SECTION IX - TRANSPORTATION

49 CFR

Unit Cont. - 55,30,5,1 GAL. PLASTIC CONT Report Qty. (Lbs) - NA.  
OSHA - NOT REGULATED Labels - NONE  
DOT - NOT REGULATED  
UN - NOT REGULATED

Vendor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Further more, vendee assumes the risk in use of the material.